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FEE TRANSMITTAL
for FY 2004

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 130**Complete if Known**

Application Number	10/633,793
Filing Date	August 4, 2003
First Named Inventor	Kenichi Maruyama et al
Examiner Name	
Art Unit	3749
Attorney Docket No.	4041K-000144

METHOD OF PAYMENT (check all that apply)
☒ Check ☐ Credit card ☐ Money ☐ Other ☐ None
Order
☐ Deposit Account:
 Deposit
Account
Number

08-0750

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Name

Harness, Dickey & Pierce, P.L.C.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee
 to the above-identified deposit account.
FEE CALCULATION**1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)

(\$ 0)

2. EXTRA CLAIM FEES

	Total Claims	Extra Claims	Fee from below	Fee Paid
Total Claims	-20 **	= 0	X	= 0
Independent Claims	-3 **	= 0	X	= 0
Multiple Dependent			X	= 0

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ 0)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	130
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	


Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 130)

SUBMITTED BY**Complete (if applicable)**

Name (Print/Type)	H. Keith Miller, Esq.	Registration No. (Attorney/Agent)	22,484	Telephone	248-641-1600
Signature				Date	November 10, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Declaration and Power of Attorney for Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

私は、以下に記名された発明者として、ここに下記の通り宣言する：

As a below named inventor, I hereby declare that:

私の住所、郵便の宛先そして国籍は、私の氏名の後に記載された通りである。

My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明について、特許請求範囲に記載され、且つ特許が求められている発明主題に関して、私は、最初、最先且つ唯一の発明者である（唯一の氏名が記載されている場合）か、或いは最初、最先且つ共同発明者である（複数の氏名が記載されている場合）と信じている。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

HEAT ACCUMULATOR FOR VEHICLE USE

上記発明の明細書はここに添付されているが、下記の欄がチェックされている場合は、この限りでない：

the specification of which is attached hereto unless the following box is checked

☐ _____ の日に出願され、
この出願の米国出願番号または P C T 国際出願番号は、
_____ であり、且つ
_____ の日に補正された出願（該当する場合）

☒ was filed on August 4, 2003
as United States Application Number or
PCT International Application Number
10/633,793 and was amended on
_____ (if applicable).

私は、上記の補正書によって補正された、特許請求範囲を含む上記明細書を検討し、且つ内容を理解していることをここに表明する。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第 37 編規則 1.56 に定義されている、特許性について重要な情報を開示する義務があることを認める。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

Japanese Language Declaration (日本語宣言書)

私は、ここに、以下に記載した外国での特許出願または発明者証の出願、或いは米国以外の少なくとも一国を指定している米国法典第35編第365条(a)によるPCT国際出願について、同第119条(a)-(d)項又は第365条(b)項に基づいて優先権を主張するとともに、優先権を主張する本出願の出願日より前の出願日を有する外国での特許出願または発明者証の出願、或いはPCT国際出願については、いかなる出願も、下記の枠内をチェックすることにより示した。

I hereby claim foreign priority under Title 35, United States Code, Section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application for which priority is claimed.

Prior Foreign Application(s)
外国での先行出願

Priority Not Claimed
優先権主張なし

2002-227492 (Pat. Appln.) Japan
(Number) (Country)
(番号) (国名)

5/August/2002 ☐
(Day/Month/Year Filed)
(出願日/月/年)

2003-019099 (Pat. Appln.) Japan
(Number) (Country)
(番号) (国名)

28/January/2003 ☐
(Day/Month/Year Filed)
(出願日/月/年)

私は、ここに、下記のいかなる米国仮特許出願についても、その米国法典第35編119条(e)項の利益を主張する。

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.)
(出願番号)

(Filing Date)
(出願日)

(Application No.)
(出願番号)

(Filing Date)
(出願日)

私は、ここに、下記のいかなる米国出願についても、その米国法典第35編第120条に基づく利益を主張し、又米国を指定するいかなるPCT国際出願についても、その同第365条(c)に基づく利益を主張する。また、本出願の各特許請求の範囲の主題が、米国法典第35編第112条第1段に規定された態様で、先行する米国出願又はPCT国際出願に開示されていない場合には、その先行出願の出願日と本国内出願日またはPCT国際出願日との間の期間中に入手された情報で、連邦規則法典第37編規則1.56に定義された特許性に関わる重要な情報について開示義務があることを承認する。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application.

(Application No.)
(出願番号)

(Filing Date)
(出願日)

(Status: Patented, Pending, Abandoned)
(現況 : 特許許可、係属中、放棄)

(Application No.)
(出願番号)

(Filing Date)
(出願日)

(Status: Patented, Pending, Abandoned)
(現況 : 特許許可、係属中、放棄)

私は、ここに表明された私自身の知識に係わる陳述が真実であり、且つ情報と信ずることに基づく陳述が、真実であると信じられることを宣言し、さらに、故意に虚偽の陳述などを行った場合は、米国法典第18編第1001条に基づき、罰金または拘禁、若しくはその両方により処罰され、またそのような故意による虚偽の陳述は、本出願またはそれに対して発行されるいかなる特許も、その有効性に問題が生ずることを理解した上で陳述が行われたことを、ここに宣言する。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Japanese Language Declaration (日本語宣言書)

委任状: 私は本出願を審査する手続を行い、且つ米国特許商標庁との全ての業務を遂行するために、記名された発明者として、下記の弁護士及び/または弁理士を任命する。(氏名及び登録番号を記載すること)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number).

Michael J. Schmidt, Reg. No. 34,007
H. Keith Miller, Reg. No. 22,484

書類送付先

Send Correspondence to:
Michael J. Schmidt, Esq.
H. Keith Miller, Esq.
Harness, Dickey & Pierce, P.L.C.
P.O. Box 828
Bloomfield Hills, MI 48303

直通電話連絡先: (氏名及び電話番号)

Direct Telephone Calls to: (name and telephone number)

Michael J. Schmidt, Esq.
H. Keith Miller, Esq.
(248) 641-1600

唯一または第一発明者氏名	Full name of sole or first inventor Kenichi Maruyama		
発明者の署名	日付	Inventor's signature <i>Kenichi Maruyama</i>	Date August 28, 2003
住所	Residence Hekinan-city, Aichi-pref., Japan		
国籍	Citizenship Japanese		
郵便の宛先	Post Office Address c/o DENSO CORPORATION, 1-1 SHOWA-CHO		
KARIYA-CITY AICHI-PREF. 448-8661 JAPAN			
第二共同発明者がいる場合、その氏名	Full name of second joint inventor, if any Kazuya Murata		
第二共同発明者の署名	日付	Second inventor's signature <i>Kazuya Murata</i>	Date August 28, 2003
住所	Residence Kuwana-city, Mie-pref., Japan		
国籍	Citizenship Japanese		
郵便の宛先	Post Office Address c/o DENSO CORPORATION, 1-1 SHOWA-CHO		
KARIYA-CITY AICHI-PREF. 448-8661 JAPAN			

(第三以下の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for third and subsequent joint inventors.)

第三共同発明者がある場合、その氏名		Full name of third joint inventor, if any	
		Koichi Ban	
第三共同発明者の署名	日付	Third inventor's signature	Date
		<i>Koichi Ban</i>	August 28, 2003
住所		Residence	
		Tokai-city, Aichi-pref., Japan	
国籍		Citizenship	
		Japanese	
郵便の宛先		Post Office Address	
		c/o DENSO CORPORATION, 1-1 SHOWA-CHO	
		KARIYA-CITY AICHI-PREF. 448-8661 JAPAN	
第四共同発明者がある場合、その氏名		Full name of fourth joint inventor, if any	
		Toshio Morikawa	
第四共同発明者の署名	日付	Fourth inventor's signature	Date
		<i>Toshio Morikawa</i>	August 28, 2003
住所		Residence	
		Toyota-city, Aichi-pref., Japan	
国籍		Citizenship	
		Japanese	
郵便の宛先		Post Office Address	
		c/o DENSO CORPORATION, 1-1 SHOWA-CHO	
		KARIYA-CITY AICHI-PREF. 448-8661 JAPAN	
第五共同発明者がある場合、その氏名		Full name of fifth joint inventor, if any	
		Shigetaka Yoshikawa	
第五共同発明者の署名	日付	Fifth inventor's signature	Date
		<i>Shigetaka Yoshikawa</i>	August 28, 2003
住所		Residence	
		Nishikamo-gun, Aichi-ken, Japan	
国籍		Citizenship	
		Japanese	
郵便の宛先		Post Office Address	
		c/o TOYOTA JIDOSHA KABUSHIKI KAISHA,	
		1, Toyota-cho, Toyota-shi, Aichi-ken,	
		471-8571 Japan	

(第六以下の共同発明者についても同様に記載し、署名を
すること)

(Supply similar information and signature for sixth and subsequent
joint inventors.)

第六共同発明者がいる場合、その氏名		Full name of sixth joint inventor, if any	
		Eiichi Ueda	
第六共同発明者の署名	日付	Sixth inventor's signature	Date
		Eiichi Ueda.	August 28, 2003
住所		Residence	
		Kadoma-shi, Osaka, Japan	
国籍		Citizenship	
		Japanese	
郵便の宛先		Post Office Address	
		c/o TIGER CORPORATION, 1-9, Gamo 2-chome,	
		Joto-ku, Osaka-shi, Osaka, Japan	
第七共同発明者がいる場合、その氏名		Full name of seventh joint inventor, if any	
第七共同発明者の署名	日付	Seventh inventor's signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post Office Address	
第八共同発明者がいる場合、その氏名		Full name of eighth joint inventor, if any	
第八共同発明者の署名	日付	Eighth inventor's signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post Office Address	